



**General Certificate of Secondary Education  
January 2012**

**Health and Social Care 48203**

**(Specification 4820)**

**Unit 3: The Nature of Health and Well-Being**

**Final**

***Mark Scheme***

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**MARK SCHEME**

**Question 1**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
1	a		A negative definition	1	
1	b		Holistic definition (1) plus combination of AW (1) physical, intellectual, emotional and social factors (1) OR Positive definition (1) achieving and-or maintaining AW (1) physical stability <b>and</b> mental stability (1)	3	Ignore P.I.E.S. must be written in full If description correct but given wrong name, allow description marks

**Question 2**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
2	a		Any two of: Protein/Carbohydrate-Sugar/ Fats 1 mark each plus reason marks Protein- for growth (of the baby's cells-tissues)/enzymes/hormones (1) Carbohydrates/ sugars- for the babies' energy supply AW (1) Fats- for energy <u>stores</u> / insulation/ organ protection (1)	4	Not Starch For protein – ignore bone growth. Fats-allow long term energy supply List rule applies – first answer marked in each case.
2	b		Vitamins or named example (1) Minerals or named example (1)	2	Allow 2 named vitamins or 2 named minerals
2	c		Ref to the change from liquid to solid foods/ more food needed overall/ as body size increases-grows / child becomes more active AW/ more protein to make more cells / need more energy from carbohydrates/fats intake  max 4	4	Needs to be <u>more</u> energy/protein/carbs Ignore more micronutrients.

**Question 3**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
3			<p>Ref to George’s happy marriage and/or his well paid job: benefiting his <b>emotional</b> health and well-being his self-esteem being maintained-improved maintaining –improving his self-confidence providing a feel good effect AW (<b>NOT</b> happy) – Allow feel secure/loved/cared for he will have a sense of achievement AW his <b>social</b> health and well-being will be improved-maintained through interactions –talk-share with his wife/example of couple activities his <b>physical</b> health and well-being benefits from his wife’s support or example- cooking meals</p> <p style="text-align: right;">max 6</p>	6	No Physical, emotional or social marks unless qualified. If example incorrect allow P.E.S. mark or vice versa as appropriate. No additional credits for other activities.

**Question 4**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
4	a		<p>Ref to a risk assessment as part of risk management AW e.g. do something about it/ identifying hazards/to protect individuals (residents)/promote personal safety (workers)</p> <p style="text-align: right;">max 2</p>	2	Allow explanations using examples, but <b>NOT</b> just examples
4	b		<p>Any three of: safety of buildings/ fittings/ working practices- or example/fire evacuation procedures/ first aid provision/ provision of food/ personal protective equipment/ machinery</p>	3	Not just clean/tidy but if linked to preventing food poisoning then scores.

**Question 5**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
5			<p>Ref to Diane having a <u>blood test/ vein</u> located in her arm/ cleaned with antiseptic wipe/ tourniquet AW applied/ needle and syringe used to remove some blood/tested for sugar content AW</p> <p style="text-align: right;">max 5                      5 marks</p> <p>plus if level high or low AW indicates diabetes/ insulin deficiency/ blood sugar not controlled</p> <p style="text-align: right;">1 mark</p>	6	If vein and artery no mark If test covers other substance as well as sugar, then disallow mark. Ignore urine test.

**Question 6**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
6	a		Ref to Huntington's disease being a genetic- inherited condition AW/caused by a mutation-faulty/ which is a dominant gene	3	
6	b		Ref to Phil suffering progressively from the disease/ may have memory loss/ confusion/ personality change/ may become aggressive-antisocial/ clumsy/develop uncontrolled –jerky muscle movements – lose motor control/ rigidity-seizures/ depression max 6	6	

**Question 7**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
7	a		Ref to Joanne's risk of coronary heart disease increased AW possibility of heart attacks may gain weight - become obese risk if type 2 diabetes as energy from food not used up her blood cholesterol levels may rise may get high blood pressure-hypertension lose mobility-flexibility AW as a result have reduced strength reduced stamina max 6	6	
7	b		Ref to Joanne getting drunk- blurred vision-slurred speech-being sick AW losing control - being abused-unwanted/unprotected sex-victim of crime AW becoming violent-antisocial AW – criminal activity having an accident suffering a hangover max 3	3	Ignore driving when drunk.  Not just headaches.

7	c	<p>Ref to Joanne in the future being addicted AW having increased risk of liver disease AW possible brain cell –nerve-nervous system damage causing blurred vision slurred speech slower reaction times impaired memory confusion-disorientation. high blood pressure increased risk of strokes as <u>physical</u> effects drinking may affect Joanne’s relationships as a <u>social</u> effect may make her depressed as an <u>emotional</u> effect</p> <p><b>Mark Ranges</b> <b>0 marks</b> No response worthy of credit</p> <p><b>1-3 marks</b> Only 1-3 effects covered, probably all physical effects, not reasoned and frequently vague and/or repetitive lacking physiological detail. Answers tend to be superficial, lacking in structure. There will be errors in spelling, punctuation and grammar. For 3 marks must cover 3 different effects.</p> <p><b>4-6 marks</b> Covers at least 4 different effects, probably mainly physical ones with some reasoning and physiological detail. For 6 marks must include either a non-physical effect or refer to increased problems in the future caused by addiction Answers are organised but lack precision. There may be errors in spelling punctuation and grammar.</p> <p><b>7-9 marks</b> Answers cover at least 6 different effects all well reasoned including the social and emotional effects as well as good physiological detail of the physical effects. For 9 marks answers must include at least 8 different effects. Answers are well structured and demonstrate good spelling, punctuation and grammar throughout.</p>	9	<p>No Physical, Emotional or Social marks if not correctly qualified</p> <p>Please look for reasoning and not just add up numbers of points i.e. linking cause effect better than just stating effects.</p>
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**Question 8**

Question	Part	Sub Part	Marking Guidance	Mark	Comments
8			<p>Likely points may include:  Michael's loss of job and long term unemployment causing him stress  reducing his self confidence  lowering his self esteem  has some friends through playing bowls  helps him feel good  as <b>emotional</b> effects  but only in summer months  so some social isolation- no family  he may be affected by poor personal hygiene (not washing himself or changing clothes)  having a <b>social</b> effect on him  he may become bored AW  as an <b>intellectual</b> effect.  as he can survive on money he may have sense of achievement  but may get down– depressed as it's difficult to manage  may affect his contact with his bowls friends  flat being small and damp may also cause depression AW- worsen <u>existing</u> illnesses  may have <b>physical</b> effects on his health or example</p> <p><b>Mark Ranges</b>  <b>0 marks</b> No response worthy of credit</p> <p><b>1-4 marks</b> Answers cover 1-6 points mainly statements which are not reasoned, and are vague and/or repetitive. Effects not identified as physical, intellectual, emotional or social. Answers superficial, lack structure and there will be errors in spelling, punctuation and grammar.</p> <p><b>5-8 marks</b> Answers cover 7-10 points with some reasoning as to how they cause their effects. Some effects identified as physical, intellectual, emotional and/or social. Answers are organised but lack precision. There may be some use of appropriate terminology with some errors in spelling, punctuation and grammar.</p> <p><b>9-12 marks</b> Answers cover at least 11 points in good detail identifying physical,</p>	12	<p>Do not allow credit for overly/extreme suggestions which contradict the information eg. Unable to eat a balanced diet, has no friends – socially isolated.</p> <p><b>NOT</b> damp causes illness</p>

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			intellectual, emotional and social aspects as appropriate. Answers are well structured, logical and demonstrate good spelling, punctuation and grammar. There is good use of appropriate terminology throughout.		
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